

**Georgia Institute of Technology**  
**Graduate Curriculum Committee**  
**Minutes**  
**Thursday, January 17, 2008**

**Present:** Parker (ISyE), Gupta (Graduate Student), Pikowsky (REG), Smith (AE), Barry (CHEM), Butera (ECE), Peponis (ARCH), Potts (Graduate Studies), Martins (MGT), Babensee (BME), Goldsman (ISyE), Craig (AE)

**Visitors:** Bradd (REG), Nagao (MGT), Yezzi (ECE), Hughes (ECE), Ferri (ECE), McCracken (CoC)

**Note:** All action items in these minutes require approval by the Academic Senate. In some instances, items may require further approval by the Board of Regents or the University System of Georgia. If the Regents' approval is required, the change is not official until notification is received from the Board to that effect. Items that are marked below with an asterisk (\*) require USG and/or BOR approval and are not official until approval has been received. Academic units should take no action on these items until USG and/or BOR approval is secured. In addition, units should take no action on any of the items below until these minutes have been approved by the Academic Senate or the Executive Board.

1. There were no minutes to be approved. Past minutes were approved via email. There were no administrative items on the agenda.
2. A motion was made to table two petitions from the College of Management seeking full graduate standing for two students who have not earned Bachelor's degrees. The motion was seconded and approved.

A subcommittee was formed to gather more information about similar programs at peer institutions to further enlighten the discussion.

3. A motion was made to table a petition from a student seeking use of more pass/fail hours than are allowed. The motion was seconded and approved.

The Registrar will contact the major school for more information on this petition.

4. A motion was made to approve the Petitions Subcommittee recommendations on petitions. The motion was seconded and approved. Unanimous.

The categories of petitions reviewed by the subcommittee were:

<b>Reason for Petition</b>	<b>Approved</b>	<b>Denied</b>	<b>Referred to Full Committee</b>	<b>Tabled or No Action</b>
Late change of grade	1			
Change to full graduate standing from Special and use credits earned in Special status toward degree	3			
Use 12 hours of Pass/Fail instead of the allowed 3			1	
Late add of one course, late withdrawal from another, Spring 2006	1			
Late withdrawal from course				1 (tabled)
Waiver of the 7-year rule	1			
Waiver of 2-term rule after comprehensive exam			1	
<b>TOTALS:</b>	<b>6</b>		<b>2</b>	<b>1</b>

- Dr. Steven McLaughlin, Vice Provost for International and Academic Initiatives, asked the Committee to consider a change in policy that would allow transfer credit from institutions other than those listed in the current policy that must either be accredited by a Canadian or U.S. regional accrediting board or a partner institution with GT Lorraine.

It was pointed out during the discussion that ABET is now accrediting institutions outside the United States and that the landscape of accreditation is changing. The Office of Graduate Studies can compile, based on information gathered from the major schools, a list of institutions that have been determined to be of high quality and from which transfer credit can be awarded. With Graduate Studies gathering the information based on some common understanding of the criteria, sufficient consistency can be maintained to make certain that the transfer credit is being awarded appropriately from institutions that have been scrutinized.

A proposal to amend the transfer credit policy will be presented and voted on at the next meeting.

## Transfer of Credit

A student may not apply for transfer credit until after matriculation at Georgia Tech. The courses to be transferred would typically be those appearing on the approved program of study form for the master's degree. A doctoral student normally does not request transfer credit. The rules relative to and the process for obtaining transfer of credit for graduate-level courses are as follows:

1. A student in a master's degree program requiring fewer than thirty-three semester credit hours may receive up to six hours of transfer credit for graduate-level courses taken at an institution accredited by a Canadian or U.S. regional accrediting board, or at a foreign school or university that has a signed partner agreement with Georgia Tech Lorraine, and not used for credit toward another degree. – **Section under discussion.** A student in a master's degree program requiring thirty-three semester credit hours or more may receive up to nine hours of transfer credit for graduate-level courses taken at an institution accredited by a Canadian or U.S. regional accrediting board, or at a foreign school or university that has a signed partner agreement with Georgia Tech Lorraine, and not used for credit toward another degree. The student must supply a current transcript for this evaluation.
2. To obtain transfer of credit, the student must complete the following procedure:
  1. The student will confer with the graduate advisor to ascertain whether the courses to be transferred are a logical part of the student's graduate program;
  2. If the courses are appropriate, the student will deliver to the school that teaches such courses a copy of the current transcript, necessary descriptive materials including catalog descriptions, and textbooks used for evaluation. The faculty of the appropriate school will determine the equivalent Georgia Tech course and the number of credit hours accepted. The faculty member who prepares the transfer credit form should have the school chair cosign it. The school should then send the form directly to the registrar with a copy of the student's Approved Program of Study attached;
  3. If the student wishes to transfer more than the number of hours permitted in paragraph 1), a petition must be submitted to the Institute Graduate Committee including statements of possible justification for the granting of such a petition, transfer credit forms, and the recommendation of the student's school chair.
3. A joint enrollment student may receive graduate credit for up to one-third of the hours required for the degree for graduate courses taken at Emory University or Georgia State University provided that
  1. Georgia Tech does not offer such courses;
  2. the student's advisor and school chair approve the courses in writing in advance; c) and the student passes the courses with a C or better. Advance approval is satisfied when the courses appear on the student's proposed Program of Study.
4. A student may not receive transfer credit from universities outside the United States and Canada except if the courses were taken at a foreign school or university that is accredited by a Canadian or U.S. regional accrediting board or has a signed partner agreement with Georgia Tech Lorraine. In any other case, an international student can obtain credit for courses previously taken but not applied toward another degree by

filling out an Examination for Advanced Standing Authorization Request Form, paying the appropriate fee at the Cashier's Office, and passing the examination for advanced standing. The school or college that normally teaches the equivalent course will administer any necessary examinations.

6. A motion was made to approve a request from the College of Computing for changing the grading options for a course and for a new course. The motion was seconded and approved. Unanimous.

### **CHANGE IN GRADING BASIS**

CS 7001 change from pass/fail to letter grade

### **NEW COURSE**

CS 6465 Computational Journalism 3-0-3

*Note: The new course proposal form was revised to show 100% lecture in item #11.*

7. A motion was made to approve a request from the School of Aerospace Engineering for three new courses. The motion was seconded and approved. Unanimous.

### **NEW COURSES**

AE 6323 Spacecraft and Launch Vehicle Design II 2-3-3

*Note: The new course proposal form was revised to show 60% lecture and 40% supervised laboratory in item #11.*

AE 6355 Planetary Entry, Descent and Landing 3-0-3

AE 6571 Air Traffic Control and Management 3-0-3

8. A motion was made to approve a request from the School of Electrical and Computer Engineering for new courses, deactivation of a course, restriction updates, and prerequisite modifications. The motion was seconded and approved. Unanimous.

### **NEW COURSES**

ECE 6200 Biomedical Applications of MEMS 3-0-3

ECE 6260 Data Compression and Modeling 3-0-3

*Note: The new course proposal form was revised to show 90% lecture and 10% demonstration in item #11.*

ECE 6282 Radar Imaging 3-0-3

*Note: The new course proposal form was revised to show 75% lecture, 15% discussion, and 10% demonstration in item #11.*

ECE 6422 Interface IC Design for MEMS and Sensors 3-0-3

ECE 6444 Silicon-Based Heterostructure Devices and Circuits 3-0-3

ECE 6540 Organic Optoelectronics 3-0-3

ECE 6561 Computing for Control Systems 3-0-3  
ECE 6614 Multimedia Communications: Signal Processing, Networking,  
Applications, and Standards 3-0-3  
ECE 6615 Sensor Networks 3-0-3  
ECE 7055 GT-SJTU 12-0-12

## DEACTIVATE COURSE

ECE 6340

## CHANGE COURSE RESTRICTIONS

Restrict ECE 6100 and update its catalog description as follows:

Comprehensive coverage of the architecture and system issues that confront the design of high-performance workstation/PC computer architectures with emphasis on quantitative evaluation. ***Credit is not allowed for both ECE 6100 and any of the following courses: ECE 4100, CS 4290, CS 6290.***

Restrict ECE 6130 and update its catalog description as follows:

An advanced treatment of VLSI systems analysis, design, and testing with emphasis on complex systems and how they are incorporated into a silicon environment. ***Credit is not allowed for both ECE 4130 and ECE 6130.***

Restrict ECE 6335 and update its catalog description as follows:

An introduction to the analysis and basic construction principles of rotating electric machines and transformers, including ac synchronous and induction machines and dc machines. ***Credit is not allowed for both ECE 4335 and ECE 6335.***

Remove the restriction on ECE 8020 and update its catalog description as follows:

Written, oral, and graphical communication skills needed by electrical and computer engineering professionals. ~~Credit for this course may not be used toward the master's degree in ECE.~~

## PREREQUISITE CHANGE - Information Item

Change prerequisite for ECE 6787 to BMED 4784 or ECE 4784.

9. A motion was made to approve a request from the School of Electrical and Computer Engineering for a Master of Science in Electrical and Computer Engineering Dual Degree with the Politecnico di Torino. The motion was seconded and approved. Unanimous.\*

10. A motion was made to approve a request from the College of Management for new courses. The motion was seconded and approved. Unanimous.

### **NEW COURSES**

MGT 6058 Information Technology Practicum 1-6-3  
MGT 6059 Emerging Technologies 3-0-3  
MGT 6190 Current Thinking in Strategy 3-0-3  
MGT 7400 PhD Strategic Management Research I 3-0-3

11. The Registrar suggested that the new course proposal form be reviewed to determine if it can be better designed to capture information more accurately. She will suggest some revisions and bring some suggestions back for discussion.
12. The Committee discussed changing the time of the meetings from 3-4 to 4-5 to better accommodate teaching schedules. The decision was made to change the meeting time for the remainder of the year. The Registrar will issue a new meeting schedule and look for a bigger room.

Adjourned,

Reta Pikowsky  
Registrar